

### REMARKS

The present amendment cancels claims 1-9, 11 and 13, 14 and amends the only remaining independent claim 10, as well as claims 12 and 15, which depend from claim 10.

Claim 10 has been amended to recite more clearly that applicant's navigation system is one that is carried on board the vehicle and that a wireless mobile telephone is operably connected to the navigation system storage element to update traffic restriction data previously present in the on-board navigation system. Since the on-board storage element, for example, a CD-ROM or a DVD, contains all of the required navigational information, updating of the traffic restriction data can be carried out effectively by means of a wireless mobile telephone.

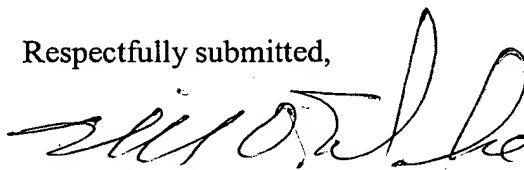
As set forth on page 7 of the Office communication former claim 10 was rejected as unpatentable over the combination of Desai, Vaughn and admitted prior art in view of Ebner et al. (EP0697580 A1). It is recognized in the Office communication that the admitted prior art does not teach storing information about traffic restrictions, wherein the relevant restrictions are visible on a display unit. Therefore, Desai was cited with regard to displayed traffic restrictions, with recognition that Desai does not teach the provision for constant display of traffic restriction information. The Vaughn reference was cited as illustrating a means by which the information taught by Desai could be displayed. However, the apparatus of Vaughn is one that uses a remote processing facility 72 and has no mass, on-board storage element containing all map data and data of traffic restrictions in the car. This system has no traffic restriction data stored permanently in the car, so that an update of such data is not possible. None of the cited art discloses the possibility of updating traffic restriction data which is already in the car (stored on a mass storage element like a CD-ROM or a DVD).

The Ebner et al. reference describes an off-board navigation system, which also has no mass storage element located on the vehicle. Ebner et al., therefore, only suggests the use of a

mobile phone as an element in an off-board navigation system. The present invention, as described in the specification, is the first to use a mobile telephone connection for updating traffic restriction information contained in a previously programmed on-board automobile navigation system.

In view of the amendments made to the claims and for the reasons set forth above, it is submitted that the application is in condition for allowance and formal notice of such allowance is respectfully requested.

Respectfully submitted,



Michael O. Warnecke  
Reg. No. 24,345

MAYER, BROWN, ROWE & MAW LLP  
P.O. Box 2828  
Chicago, Illinois 60690-2828  
312-701-8605

Dated: February 13, 2004



-----MOW402CBCE40911-----

12:02 PM 02/13/2004 Transmission Record

Sent to: Shaunda Ross

Phone: 1-703-305-7658

Billing information: '00671384', ''

Remote ID: 703 305 7658

Unique ID: "MOW402CBCE40911"

Elapsed time: 1 minutes, 52 seconds.

Used channel 16 on server "CHI-RFAX02".

No ANI data.

No AOC data.

Resulting status code (0/339; 0/0): Success

Pages sent: 1 - 5

**BEST AVAILABLE COPY**



PATENT  
ATTORNEY DOCKET NO. 00671384

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of: )  
Dr. Uwe Schilling )  
Serial No.: 09/663,088 )  
Filing Date: September 15, 2000 )  
For: NAVIGATION SYSTEM WITH )  
EXTENDED DISPLAY FUNCTION )

Group Art Unit: 3661

Examiner: Eric M. Gibson

**CERTIFICATE OF FACSIMILE TRANSMISSION**

I hereby certify that this letter and response for Patent Serial No., 09/663,088 is being facsimile transmitted to the Patent and Trademark Office, fax number (703)305-7658, on February 13, 2004 by:

Pamela Schulz

(typed or printed name of person transmitting paper)

Pamela Schulz  
(signature of person transmitting paper)

Box:  
U.S. Patent and Trademark Office  
P.O. Box 1450  
Alexandria, VA 22313-1450

**AMENDMENT**

In response to the office communication mailed August 13, 2003, please amend the above-identified application as follows:

**CLAIMS**

Claims 1-9 (Cancelled)

Claim 10 (Currently Amended)

A navigation system carried on board a motor vehicle, wherein the system comprises

- (a) a central processor;
- (b) an input and an output unit connected to the central processor;
- (c) an information storage element connected to the central processor, which storage element contains;
  - (i) a data record of map data;

- (ii) traffic restriction information applicable to the vehicle only on roadway which is open to travel by the vehicle;
- (d) a display unit connected to the central processor and displaying the traffic restricted information in numeric or alpha-numeric characters constantly during the period of restriction applicability; and
- (e) a wireless mobile telephone operably connected to the storage element in the navigation system, whereby the information about traffic restrictions is retrievable from a stationary transmission station in a mobile radio network and is upgradeable.

Claim 11 (Cancelled)

Claim 12 (Currently Amended)

The navigation system as ~~claimed in one of the preceding claims~~ defined in claim 10, wherein the information regarding traffic restriction is taken into account when calculating a route.

Claims 13-14 (Cancelled)

Claim 15

The navigation system as ~~claimed in one of the preceding claims~~ defined in claim 10, wherein the navigation system contains an audio output unit (4) and the traffic restrictions are output audibly.

### REMARKS

The present amendment cancels claims 1-9, 11, and 13, 14 and amends the only remaining independent claim 10, as well as claims 12 and 15, which depend from claim 10.

Claim 10 has been amended to recite more clearly that applicant's navigation system is one that is carried on board the vehicle and that a wireless mobile telephone is operably connected to the navigation system storage element to update traffic restriction data previously present in the on-board navigation system. Since the on-board storage element, for example, a CD-ROM or a DVD, contains all of the required navigational information, updating of the traffic restriction data can be carried out effectively by means of a wireless mobile telephone.

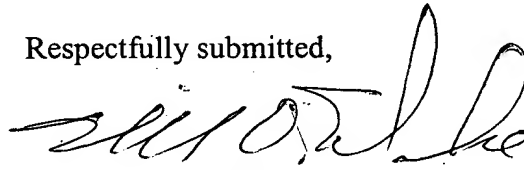
As set forth on page 7 of the Office communication former claim 10 was rejected as unpatentable over the combination of Desai, Vaughn and admitted prior art in view of Ebner et al. (EP0697580 A1). It is recognized in the Office communication that the admitted prior art does not teach storing information about traffic restrictions, wherein the relevant restrictions are visible on a display unit. Therefore, Desai was cited with regard to displayed traffic restrictions, with recognition that Desai does not teach the provision for constant display of traffic restriction information. The Vaughn reference was cited as illustrating a means by which the information taught by Desai could be displayed. However, the apparatus of Vaughn is one that uses a remote processing facility 72 and has no mass, on-board storage element containing all map data and data of traffic restrictions in the car. This system has no traffic restriction data stored permanently in the car, so that an update of such data is not possible. None of the cited art discloses the possibility of updating traffic restriction data which is already in the car (stored on a mass storage element like a CD-ROM or a DVD).

The Ebner et al. reference describes an off-board navigation system, which also has no mass storage element located on the vehicle. Ebner et al., therefore, only suggests the use of a

mobile phone as an element in an off-board navigation system. The present invention, as described in the specification, is the first to use a mobile telephone connection for updating traffic restriction information contained in a previously programmed on-board automobile navigation system.

In view of the amendments made to the claims and for the reasons set forth above, it is submitted that the application is in condition for allowance and formal notice of such allowance is respectfully requested.

Respectfully submitted,



Michael O. Warnecke  
Reg. No. 24,345

MAYER, BROWN, ROWE & MAW LLP  
P.O. Box 2828  
Chicago, Illinois 60690-2828  
312-701-8605

Dated: February 13, 2004